

What is claimed is:

1. A measurement tool for an endoscope, comprising:  
a flexible shaft to be inserted in a treatment tool  
insertion channel of the endoscope; and  
an elastic sheet member secured to a distal end portion  
of said flexible shaft.
2. The measurement tool according to claim 1, wherein the  
distal end portion of said flexible shaft is bendable at a  
position on the proximal end side with respect to said elastic  
sheet member, said distal end portion of said flexible shaft  
being bendable in response to an operation at a proximal end  
of said flexible shaft.
3. The measurement tool according to claim 1, wherein said  
sheet member comprises a substantially circular sheet.
4. The measurement tool according to claim 3, wherein said  
sheet member comprises a plurality of sheets having different  
diameters, said plurality of sheets being secured to said  
flexible shaft at different positions.
5. The measurement tool according to claim 1, wherein  
graduations are formed on said sheet member.

6. The measurement tool according to claim 1, wherein said sheet member is detachably secured to said flexible shaft.

7. The measurement tool according to claim 1, further comprising an elastic annular sheet secured to said flexible shaft, said annular sheet surrounding said sheet member.

8. A tubular treatment tool for an endoscope, comprising:  
a flexible tubular member, a groove traversing said flexible tubular member in a direction of a diameter thereof being formed; and

an operation wire inserted in said flexible tubular member, said operation wire being movable relative to said flexible tube along an axis of said flexible tube, a distal end of said operation wire being secured to said flexible tube at a position on a distal end side with respect to said groove.

9. The tubular treatment tool according to claim 8, wherein said groove has a V-shaped cross section.

10. The tubular treatment tool according to claim 8, wherein a tissue collecting device is secured at the distal end of said flexible tube.

11. A tubular treatment tool for an endoscope, comprising:  
a flexible tubular member, at least one pair of grooves  
each traversing said flexible tubular member in a direction of  
a diameter thereof being formed; and

an operation wire inserted in said flexible tubular  
member, said operation wire being movable relative to said  
flexible tube along an axis of said flexible tube, said  
operation wire running outside of said tubular member through  
one of said pair of grooves and running inside of said tubular  
member so that said operation wire is located outside of said  
flexible tubular member between said pair of grooves, a distal  
end of said operation wire being secured to said flexible tube  
at a position on a distal end side with respect to said pair  
of grooves.

12. The tubular treatment tool according to claim 11, wherein  
each of said grooves has a V-shape cross section.

13. The tubular treatment tool according to claim 11, wherein  
said at least one pair of grooves comprises a plurality of pairs  
of grooves, said operation wire being located outside of said  
flexible tubular member between two grooves of each pair of said  
plurality of pair of grooves.

14. The tubular treatment tool according to claim 13, wherein said plurality of pairs of grooves are located at different position along the circumference of said flexible tubular member.

15. The tubular treatment tool according to claim 11, wherein a tissue collecting device is secured at the distal end of said flexible tube.

16. A measurement tool for an endoscope, comprising:

a flexible tubular member, a groove traversing said flexible tubular member in a direction of a diameter thereof being formed, at least a distal end side, with respect to said groove, of said flexible tubular member being formed with graduations; and

an operation wire inserted in said flexible tubular member, said operation wire being movable relative to said flexible tube along an axis of said flexible tube, a distal end of said operation wire being secured to said flexible tubular member at a position on a distal end side with respect to said groove.

17. The measurement tool according to claim 16, wherein said groove has a V-shaped cross section.

18. The measurement tool according to claim 16, a fluid injection mouth, which communicates with said flexible tubular member, being provided at a proximal end portion of said flexible tubular member.

19. A catheter for an endoscope, comprising:

a flexible tubular member through which fluid passes, a groove traversing said flexible tubular member in a direction of a diameter thereof being formed, said groove having a V-shaped cross section; and

an operation wire inserted in said flexible tubular member, said operation wire being movable relative to said flexible tube along an axis of said flexible tube, a distal end of said operation wire being secured to said flexible tubular member at a position on a distal end side with respect to said groove, a pair of holes being formed on both sides, along an axis of said flexible tubular member, of said groove, said operation wire being inserted through said pair of holes so that said operation wire being located outside of said flexible tubular member at a position between said pair of holes.

20. A cytodiagnosis brush for an endoscope, comprising:

a flexible tubular member;

a brush shaft, a brush being radially planted at a distal end portion of said brush shaft;

a stopper secured to the proximal end of said brush shaft, said stopper being fixed to said flexible tubular member at a distal end portion thereof, a fluid passage along an axis of said flexible tubular member being defined in said stopper.

21. The cytodiagnosis brush according to claim 20, wherein a groove traversing said flexible tubular member in a direction of a diameter thereof is formed, said groove having a V-shaped cross section, and

wherein said cytodiagnosis brush further comprises an operation wire inserted in said flexible tubular member, said operation wire being movable relative to said flexible tube along an axis of said flexible tube, a distal end of said operation wire being secured to said flexible tubular member at a position on a distal end side with respect to said groove, a pair of holes being formed on both sides, along an axis of said flexible tubular member, of said groove, said operation wire being inserted through said pair of holes so that said operation wire being located outside of said flexible tubular member at a position between said pair of holes.

22. A biopsy forceps for an endoscope, comprising:

a flexible tubular member;

an operation wire inserted through said flexible tubular member;

a pair of forceps cups secured to the distal end of said flexible tubular member;

a link mechanism with which said pair of forceps cups open and close upon operation of said operation wire,

an incision being formed, from an outer surface of said flexible tubular member, at a distal end portion of said flexible tubular member along a direction of a diameter of said flexible tubular member.

23. The biopsy forceps according to claim 22, wherein an end of said incision is located substantially at a position past the inner diameter of said flexible tubular member.

24. The biopsy forceps according to claim 22, said incision being a slit.

25. The biopsy forceps according to claim 22, said incision being a groove having a V-shaped cross section.

26. A high-frequency cutting tool for an endoscope, comprising:

an electrically insulating flexible tubular member, at least one pair of grooves each traversing said flexible tubular member in a direction of a diameter thereof being formed; and

a conductive wire inserted in said flexible tubular

member, said conductive wire being movable relative to said flexible tube along an axis of said flexible tube;

wherein a groove traversing said flexible tubular member in a direction of a diameter thereof is formed, said groove having a V-shaped cross section,

a distal end of said conductive wire being secured to said flexible tubular member at a position on a distal end side with respect to said groove, a pair of holes being formed on both sides, along an axis of said flexible tubular member, of said groove, said conductive wire being inserted through said pair of holes so that said operation wire being located outside of said flexible tubular member at a position between said pair of holes.